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## 1. Product Description

The ALNET II ISA board for IBM-PC compatible microcomputers allows a direct connection of ALNET II network to microcomputer bus.

This Technical Characteristic is valid for AL-2420 revision A and above.

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## 2. Packing List

The following parts integrate the product:

- AL-2420 board
- The application software on floppy disk and the User Manual (in Portuguese only, code 6207-014.2)
- Installation guide

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## 3. Functional Characteristics

### 3.1. General Characteristics

- Allows the connection with ALNET II network
- IBM-PC ISA compatible interface
- Communication rate of 1 Mbaud on ALNET II channel
- Intel® 80C152 microcontroller
- Operation temperature: 0 a 60°C  
exceed IEC 1131
- Stocking temperature: -25 a 70°C  
based on IEC 1131
- Operation humidity: 5 a 95% without condensation  
based on IEC 1131 level RH2
- Weight:  
packed: 341,26 g  
net: 140,26 g
- MTBF: 32210 hours @ 40°C  
based on MIL-HDBK-217E

### 3.2. Electrical Characteristics

- No additional power supply needed

### 3.3. Software Characteristics

- Supports Windows NT/ 2000 32 bits applications
- Functions library for transmitting/receiving data through ALNET I or ALNET II protocols
- Configuration loaded in AL-2420 board with configuration programm loader
- Additional Windows program is included to allow AL-2420 board and networked PLC functional testing
- The AL-2420 board and microcomputer are only one ALNET II network node

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## 4. Physical Dimensions

According to ISA standard.

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## 5. Manuals

The User Manual (in Portuguese only, code 6207- 014.2) describes the ALNET II interface to IBM-PC in details.

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## 6. Ordering Data

### 6.1. Optionals

The following parts do not integrate the product and can be order in separate:

	Description
AL-2300	AL-2420 to AL-2600 network derivator/terminator
AL-2301	RS-485 network cable
AL-2600	ALNET II network derivator/terminator

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## **5. Revisions**

The revision of this document is shown at the right upper corner, indicating changes.

ALTUS reserve the rights to change this document without previous notice.

The following historic shows changes to each revision:

Revision: C	Date: 12/10/97
Approval: Luiz Gerbase	
Author: Rosana Casais - R&D	

Observations:

- General revision

Revision: D	Date: 31/07/2000
Approval: Luiz Gerbase	
Author: Rudy Höltz - R&D	

Observations:

- 16 bits and Windows 95 supporting eliminated
- Windows 2000 supporting included